

REMARKS

Applicants respectfully request reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

Claim Rejections Under 35 USC § 103

Applicants submit that the claimed invention is not obvious for the following reasons. Runfola discloses a heating element 12 mounted on a board 7, on which LEDs 10 are also mounted, and near some of the LEDs 10, in Fig. 2. Runfola also discloses a heating element 12' directly applied to the underside of a lens 5 (column 2, lines 39 and 47, Figs. 5 and 6), and resistance wires 12" embedded in lens 5' in Fig. 7. Runfola does not disclose or suggest a heating element mounted apart from both of the light source and the lens, as recited in the amended claim 1. Konishi also does not teach this.

If the heating element is not apart from the light source, heat of the heating element tends to damage the light source. For example, when LEDs are used as the light source, the LEDs deteriorate due to the heat and do not work. When HID lamps are used, their resistance is changed by the heat.

If the heating element is not apart from the lens, materials having low heat resistance, such as polycarbonate resin, cannot be used for lens.

Conclusion

Applicants believe that the present application is now in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or

even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicants hereby petition for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

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FOLEY & LARDNER LLP
Customer Number: 22428
Telephone: (202) 672-5300
Facsimile: (202) 672-5399

By 

Matthew E. Mulkeen
Attorney for Applicants
Registration No. 44,250